

CLAIMS

1. A connector assembly, comprising:
 - a cylindrical body having a first end and a second end;
 - 5 at least one locking arm extending from the first to the second end of the cylindrical body;
 - a malleable collar for sliding over the second end of the cylindrical body, the malleable collar having a lip for abutting with the second end of the cylindrical body;
 - and
 - 10 at least one bump for every locking arm, each bump integrally molded on the malleable collar, each bump aligning under each locking arm and providing resistance to the locking arm when the locking arm is compressed against the cylindrical body.

2. A connector assembly, comprising:

a first unitary molded portion formed of a substantially rigid cylindrical body having a front end and a back end and having at least one locking arm extending

5 therefrom, each locking arm having a stop tab; and

a second unitary molded portion formed of a malleable collar that slides over the front end of the cylindrical body, the collar having an interior lip that abuts with the back end of the cylindrical body, the malleable collar having an outer surface with at least one bump, the at least one bump being compressibly retained by the at least

10 one locking arm when the collar is slid over the cylindrical body.

3. The connector assembly of claim 2, wherein the connector assembly is inserted into a housing by squeezing the locking arms to compress the bumps to slide the assembly into the housing until stopped by the stop tab.

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4. A communication device, comprising:

a housing;

a cable for plugging into a mating receptacle of the housing, the cable comprising:

a strain relief overmold portion;

5 a connector assembly, comprising:

a cylindrical body having a front end and a back end, the front end being open and the back end enclosing a plurality of contact pins, the back end being overmolded by the strain relief overmold portion;

10 a plurality of locking arms extending upward from the back end and turning downward along the cylindrical body; and

an integrally molded malleable collar having an interior lip and exterior bumps, the malleable collar sliding over the front end of the cylindrical body such that the interior lip abuts with the front end of the cylindrical body and the exterior bumps align in between the locking arms and the cylindrical body,
15 the exterior bumps providing resistance to the locking arms when the locking arms are compressed within the housing, and the lip sealing around the mating receptacle.

5. The communication device of claim 4, wherein the connector assembly
20 further comprises a stop tab and latch integrally molded within each locking arm.

6. The communication device of claim 5, wherein the connector assembly is inserted into the housing by squeezing the locking arms to compress the exterior bumps to slide the assembly into the housing until stopped by the stop tab and latch.

7. A connector assembly, including:
a cylindrical body having locking arms extending therefrom; and
an integrally molded malleable collar coupled to the cylindrical body, the collar
5 being shaped to provide resistance through the use of integral bumps and sealing
through the use of an interior lip.

8. The connector assembly of claim 7, further comprising a strain relief
overmolded to the cylindrical body such that the locking arms and bumps remain
10 exposed, the locking arms compressing the malleable collar's bumps.

9. The connector assembly of claim 7, further including contacts loaded within
the cylindrical body.

15 10. The connector assembly of claim 7, wherein the cylindrical body is formed of
first and second sections, the first section being interchangeable to provide different
connector mating configurations.

11. The connector assembly of claim 10, wherein the first section of the
20 cylindrical body includes an alignment feature.

12. The connector assembly of claim 11, wherein the locking arms form "u"
shaped members that extend upward from the second section and turn downwards
alongside the cylindrical body.